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PTO/SB/82 (10-00)

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## REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/431,758
Filing Date	November 1, 1999
First Named Inventor	Joseph G. Murphy
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	EMC-99-060

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

A Power of Attorney or Authorization of Agent is submitted herewith.

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Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

### SIGNATURE of Applicant or Assignee of Record

Name	Leanne J. Fitzgerald (Reg. No. 40,606), EMC Corporation, Hopkinton, MA 01748
Signature	
Date	12-12-01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of 1 forms are submitted.

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## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT, NOT ACCOMPANYING APPLICATION

Application Number	09/431,758
Filing Date	November 1, 1999
First Named Inventor	Joseph G. Murphy
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	EMC-99-060

I hereby appoint:

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24227

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Practitioner(s) named below:

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PATENT TRADEMARK OFFICE

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

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Applicant.

Assignee of record of the entire interest  
Certificate under 37 CFR 3.73(b) is enclosed

### SIGNATURE of Applicant or Assignee of Record

Name	Leanne J. Fitzgerald, Reg. No. 40,606, EMC Corp, 35 Parkwood Dr, Hopkinton, MA 01748		
Signature			
Date	12-12-01		

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Joseph G. Murphy and Ilya Lubovitch

Application No./Patent No.: 09/431,758

Filed/Issue Date: November 1, 1999

Entitled: Multiple Storage Array Control

EMC Corporation

(Name of Assignee)

a

Corporation

(Type of Assignee, e.g. corporation, partnership, university, government agency, etc.)

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states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 10370, Frame 930, or for which a copy thereof is attached.

OR

- B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
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Additional documents in the chain of title are listed on a supplemental sheet.

- Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

12-12-01

Date

Leanne J. Fitzgerald

Typed or printed name

LJF  
Signature

Intellectual Property Counsel

Title

07072/919001



UNITED STATES DEPARTMENT OF COMMERCE  
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RECORDATION DATE: 11/01/1999

REEL/FRAME: 010370/0930  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MURPHY, JOSEPH G.

DOC DATE: 10/28/1999

ASSIGNOR:

LUBOVICH, IIYA

DOC DATE: 10/28/1999

ASSIGNEE:

EMC CORPORATION  
35 PARKWOOD DRIVE  
HOPKINTON, MASSACHUSETTS 07148

SERIAL NUMBER: 09431758

FILING DATE: 11/01/1999  
ISSUE DATE:

PATENT NUMBER:

SHIRLIE SIMON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

\* No Docketing Required \*

Reviewed By Practice Systems  
Initials: *[Signature]*

Reviewed By Billing Secretary  
Initials: *[Signature]*

## ASSIGNMENT

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For valuable consideration, we, Joseph G. Murphy of Westford, Massachusetts and Ilya Lubovich of Manchester, Connecticut hereby assign to EMC Corporation, a Massachusetts corporation having a place of business at 171 South Street, Hopkinton, Massachusetts 07148, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled MULTIPLE STORAGE ARRAY CONTROL, filed HEREWITH, and assigned U.S. Serial Number \_\_\_\_\_, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for us and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereunto set my hand and seal at Hopkinton, MA  
this 28th day of October, 1999

L.S.

Joseph G. MurphySTATE OF Massachusetts

ss.

COUNTY OF Middlesex:Before me this 28th day of October, 1999, personally appeared

Joseph G. Murphy known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Nancy E. Buck  
Notary Public

My Commission Expires:

[Notary's Seal Here]

NANCY E. BUCK  
Notary Public  
My Commission Expires Sept. 4, 2003

IN WITNESS WHEREOF, I hereto set my hand and seal at Hopkinton, MA,  
this 28 day of October, 1999

STATE OF Massachusetts  
COUNTY OF Middlesex

Before me this 28th day of October, 1999, personally appeared

Ilya Lubovich known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Nancy E. Buck  
Notary Public

My Commission Expires:

**NANCY E. BUCK**  
Notary Public  
My Commission Expires Sept. 4, 2003

[Notary's Seal Here]

COPY L.S.